Homework15

Soomin Park

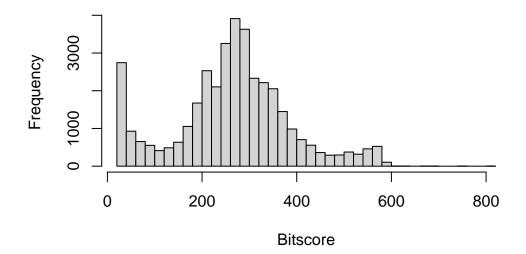
Read the data file

Set column names

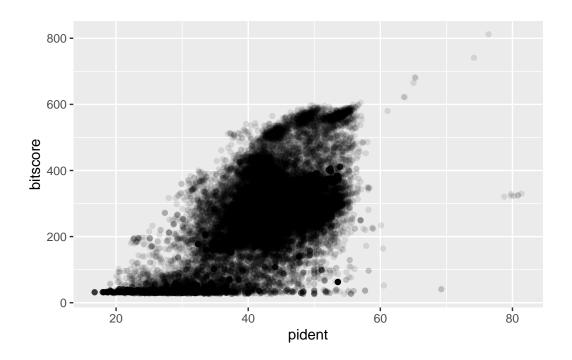
```
colnames(data) <- c("qseqid", "sseqid", "pident", "length", "mismatch", "gapopen", "qstart
```

Generate histogram

Histogram of bitscore values



```
library(ggplot2)
ggplot(data, aes(pident, bitscore)) + geom_point(alpha=0.1)
```



ggplot(data, aes((data\$pident * (data\$qend - data\$qstart)), bitscore)) + geom_point(alpha=

Warning: Use of `data\$pident` is discouraged. i Use `pident` instead.

Warning: Use of `data\$qend` is discouraged. i Use `qend` instead.

Warning: Use of `data\$qstart` is discouraged. i Use `qstart` instead.

Warning: Use of `data\$pident` is discouraged. i Use `pident` instead.

Warning: Use of `data\$qend` is discouraged. i Use `qend` instead.

Warning: Use of `data\$qstart` is discouraged. i Use `qstart` instead.

 $\ensuremath{\text{`geom_smooth()`}}\ \ensuremath{\text{using method}}\ =\ 'gam'\ \ensuremath{\text{and formula}}\ =\ 'y\ \sim\ \ensuremath{\text{s(x, bs = "cs")'}}\$

